METHOD FOR MANUFACTURING A CRANKSHAFT SUPPORTER

ABSTRACT OF THE DISCLOSURE

A method for manufacturing a crankshaft supporter having a bearing holding section that holds a bearing for supporting a crankshaft, and that is cast in aluminum alloy with a preform cast inside, the preform having a through hole extending therethrough. Provided are a core pin to process the through hole, and a pin hole shaped in the preform to accommodate the core pin. The core pin includes a pin insert section having an outer diameter less than inner diameter of the preform pin hole, and a head section having an outer diameter greater than the inner diameter of the preform pin hole. The pin hole insert section is inserted into the pin hole to contact the head section with an outer surface of the preform for securement inside a mold for casting. The core pin is removed during subsequent cutting of a larger diameter hole through the cast bearing holding section.